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TITLE: SUSPENSION ASSEMBLING METHOD

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INT-CL (IPC): B62D065/00, B60G025/00

US-CL-CURRENT: 29/464

ABSTRACT:

PURPOSE: To greatly improve productivity by estimating deviation from a previously measured regular position and adjusting alignment at the time of installing a suspension sub-assembly to the body of an automobile.

CONSTITUTION: A measuring device 10 for a front suspension 2 in which a pin 10b which is fitted in the sub-frame installing hole of a body 1 and an engaging member 10c which is engaged with the knuckle joint part of an upper arm are movably provided in the mutually perpendicular two directions on a lifting frame 10, and a similar measuring device for a rear suspension 3 are provided on a measuring station 9 placed in front of an assembling station 5 on a body conveying passage 4. And, the moving quantities of the pin 10b and the engaging member 10c are inputted into a computer 10d to detect deviations from the regular positions of the sub-frame installing hole and the upper arm and, based on there data, the adjustment of alignment is carried out in stations 11, 12. Thereby, it is not necessary to carry out the adjustment of alignment after the completion of a vehicle, greatly improving productivity.

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a body conveying passage 4. And, the moving quantities of the pin 10b and the engaging member 10c are inputted into a computer 10d to detect deviations from the regular positions of the sub-frame installing hole and the upper arm and, based on there data, the adjustment of alignment is carried out in stations 11, 12. Thereby, it is not necessary to carry out the adjustment of alignment after the completion of a vehicle, greatly improving productivity.

Title of Patent Publication - TTL (1):
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